IN THE SPECIFICATION

Please replace the paragraph beginning at page 2, line 12 with the following rewritten paragraph:

Another approach is to use an image rejection mixer 10, as illustrated in Figure 1. A received radio frequency signal is input into the image rejection mixer 10. The received signal is input to an in-phase mixer 14 and a quadrature phase mixer 12. A local oscillator (LO) 11 generates a carrier signal. The carrier signal is input into the quadrature phase mixer 12 to produce a demodulated quadrature phase signal and into a 90 degree phase shift device 16, such as a RC–CR circuit, to produce an in-phase carrier. The in-phase carrier is input into the in-phase mixer ~~12~~ 14 to produce a demodulated in-phase signal. The demodulated quadrature phase signal is subsequently delayed by a 90 degree phase shift device 22. An adder 20 combines the phase delayed quadrature phase signal to the in-phase signal to produce the desired signal. Typically, the image signal will be out of phase with the desired signal. As a result, the combining cancels the image signal leaving only the desired signal.

A1

Please replace the paragraph beginning at page 5, line 10 with the following rewritten paragraph:

One ring oscillator 32 for producing the in-phase and quadrature phase carrier uses four delay cells 44_1-44_4, as shown in Figure 2. Each delay cell 44_1-44_4 delays the input signal by 45 degrees. As a result, the first delay cell 44_1 produces a 45 degree phase delay. The second delay cell 44_2 delays the 45 degree delayed signal by another 45 degrees, totaling 90 degrees. The output of the second delay cell 44_2 is A2 inverted ~~as~~ to shift the phase by 180 degrees prior to being input into the third delay cell 44_3. The third delay cell 44_3 delays the 270 degree delayed signal by 45 degrees, totaling 315 degrees. The fourth cell 44_4 delays the output of the third cell 44_3 by 45 degrees totaling 360 degrees creating the oscillation. Although the output of the second cell 44_2 is shown as used for the in-phase carrier and the output of the fourth cell 44_4 for the quadrature phase carrier, any of the outputs or inputs separated by 90 degrees may be used.